

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

FELTER

Atty. Ref.: 2380-795

Serial No. 10/717,203

TC/A.U.: 2611

Filed: November 20, 2003

Examiner: Ha, D.V.

For: SPATIAL JOINT SEARCHER AND CHANNEL ESTIMATORS

\* \* \* \* \*

June 19, 2007

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**TERMINAL DISCLAIMER**

Your petitioner, Telefonaktiebolaget LM Ericsson (publ), a corporation having an office and place of business/residing at Stockholm, Sweden SE-164 83 represents that it/he is the assignee as recorded in an assignment at Reel 015123/Frame 0979-0981, of all right, title and interest in and to Application Serial No. 10/717,203, filed November 20, 2003, for SPATIAL JOINT SEARCHER AND CHANNEL ESTIMATORS.

Your petitioner hereby disclaims the terminal part of any patent granted on the above-identified application, which would extend beyond the expiration date of the full statutory term as presently shortened by any terminal disclaimer of any patent issuing from Application Serial Nos. 10/717,212 and 10/717,313 and hereby agrees that any patent so granted on the above-identified application shall be enforceable only for and during such period that the legal title to such patent granted on the above-identified application shall be the same as the legal title to any patent issuing from Application Serial Nos. 10/717,212 and 10/717,313, this agreement to run with any patent granted on the above-identified application and to be binding upon the grantee, its successors or assigns.

Petitioner does not disclaim any terminal part of any patent granted on the above-identified application prior to the expiration date of the full statutory term as presently shortened by any terminal disclaimer of any patent issuing from Application Serial Nos. 10/717,212 and 10/717,313 in the event that it later: expires for failure to pay a maintenance

fee, is held unenforceable, is found invalid, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321(a), has all claims canceled by a reexamination certificate, or is otherwise terminated prior to the expiration of its statutory term as presently shortened by any terminal disclaimer, except for the separation of legal title stated above.

The evidentiary documents accompanying this document or referred to above have been reviewed by the undersigned and it is certified that to the best of the assignee's knowledge and belief, title is in the assignee seeking to take action.

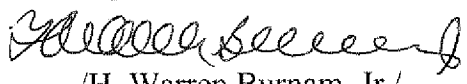
Check either box 1 or 2 below, as appropriate.

1. ☐ For submissions on behalf of an organization (e.g., corporation, partnership, university, government agency, etc.), the undersigned is empowered to act on behalf of the organization.

2. ☒ The undersigned is an attorney or agent of record.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Telefonaktiebolaget LM Ericsson (publ)

By:   
\_\_\_\_\_  
/H. Warren Burnam, Jr./  
H. Warren Burnam, Jr.  
Reg. No. 29,366

Date: June 18, 2007

☒ **Terminal disclaimer fee under 37 C.F.R. § 1.20(d) included.** If missing, the Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Account No. 14-1140. A duplicate copy of this sheet is attached.

HWB

2380-795



**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEPTEMBER 14, 2004

PTAS



\*102704777A\*

NIXON & VANDERHYE P.C.  
H. WARREN BURNAM, JR.  
1100 NORTH GLEBE ROAD  
8TH FLOOR  
ARLINGTON, VA 22201

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/23/2004

REEL/FRAME: 015123/0979  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: 2380-795

ASSIGNOR:  
FELTER, STEFAN

DOC DATE: 12/01/2003

ASSIGNEE:  
TELEFONAKTIEBOLAGET LM ERICSSON  
(PUBL)  
S-126 25 STOCKHOLM, SWEDEN

SERIAL NUMBER: 10717203

FILING DATE: 11/20/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: SPATIAL JOINT SEARCHER AND CHANNEL ESTIMATORS

015123/0979 PAGE 2

LENELL MACKALL, SUPERVISOR  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



RECORDAT

P

03-26-2004



102704777

Our Ref.: 2380-795

**Mail Stop Assignment Recordation Services**

Commissioner of Patents

P.O. Box 1450

Alexandria, VA 22313-1450

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Stefan FELTER

3/23/04

2. Name and address of receiving party(ies):

Name: Telefonaktiebolaget LM Ericsson (publ)

Internal Address:

Street Address: S-126 25

Additional name/s of conveying party/ies attached? ☐

City: Stockholm

State/Country: Sweden

Zip:

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Assignment

☐ Change of Name

☐ Other

Execution Date:

December 1, 2003

Additional name/s & address/es attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s).

(1) 10/717,203

(2)

(3)

B. Patent No(s).

(1)

(2)

(3)

Additional numbers attached ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: H. Warren Burnam, Jr.

Internal Address:

Street Address: Nixon & Vanderhye P.C.

1100 North Glebe Road

8<sup>th</sup> Floor

City: Arlington State: VA Zip: 22201

6. Total number of applications & patents involved: 1

7. Total fee (37 CFR 3.41)

\$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account #14-1140

8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.

DO NOT USE THIS SPACE

9. Statements and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

H. Warren Burnam, Jr.

Name of Person Signing

Reg. No. 29,366

Signature

March 23, 2004

Date

Total number of pages including original cover sheet, attachments, and document: [3]

**ASSIGNMENT**

WHEREAS, Stefan FELTER (hereinafter ASSIGNOR) of Alviksvägen 55, Bromma, Sweden SE-167 53, has invented a certain improvement in **SPATIAL JOINT SEARCHER AND CHANNEL ESTIMATORS** for which a so-entitled application for Letters Patent of the United States is filed in the United States Patent and Trademark Office was filed on November 20, 2003;

WHEREAS, **Telefonaktiebolaget LM Ericsson (publ)** (hereinafter ASSIGNEE), a corporation of the Country of Sweden, having an office and place of business at S-126 25, Stockholm, Sweden, is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the ASSIGNOR by these presents hereby sells, assigns, and transfers unto the ASSIGNEE, its successors, assigns, and legal representatives, the aforesaid application(s) and the full and exclusive right to the invention and improvements therein in the United States and all foreign countries, as described in the aforesaid application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any Letters Patent or Patents claiming priority from the aforesaid application to ASSIGNEE, for its interest as ASSIGNEE, for the sole use and behoof of ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention;

ASSIGNOR hereby agrees to assist in the preparation of and hereby assign a like interest to said ASSIGNEE, its successors, assigns, and legal representatives, without further remuneration, any non-provisional applications or any continuation, divisional, reissue, or foreign application claiming priority from the aforesaid application, or any other patent application otherwise growing out of or related to the invention; and to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives necessary to ASSIGNEE's full protection and title in and to the invention hereby transferred.

ASSIGNOR specifically agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.

AGREED and executed as noted below:

2003-12-01

Date

Stefan Felter

Stefan FELTER

Witnessed by:

Margaret Olson

Name:

2003-12-01

Date: